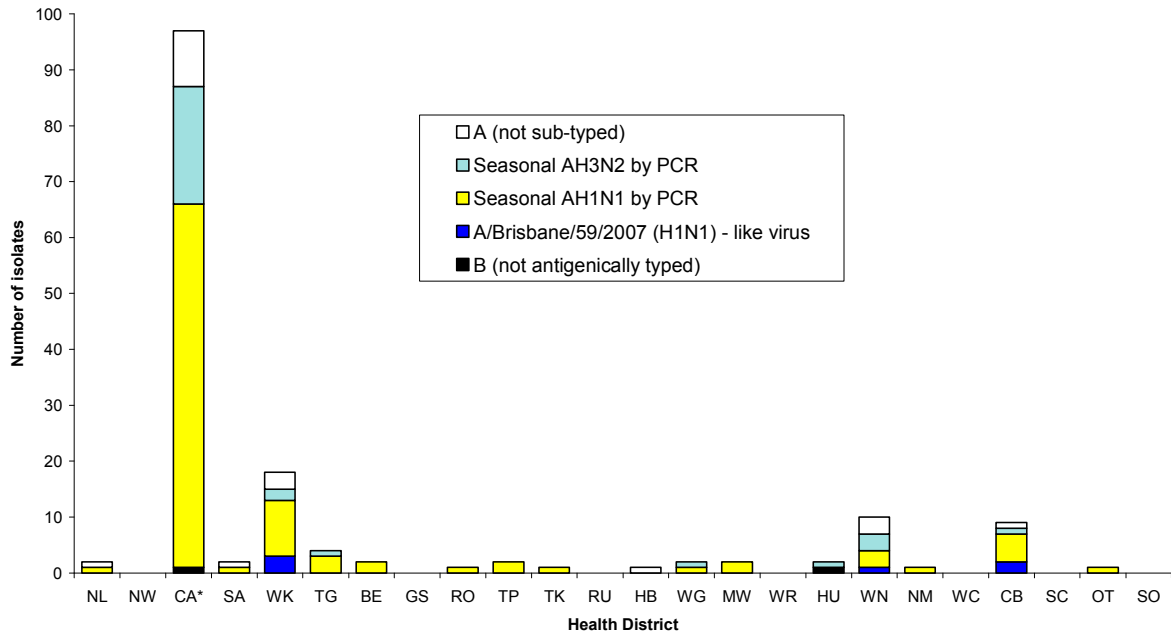




Figure 2 shows the cumulative total of influenza viruses confirmed (sentinel and laboratory-based surveillance) to the end of week 24, 14 June 2009. A total of 157<sup>1</sup> influenza viruses were identified: seasonal AH1N1 by PCR (99), seasonal AH3N2 by PCR (30), A (yet to be sub-typed) (20), A/Brisbane/59/2007 (H1N1)-like virus (6), and B (not antigenically typed) (2). So far, 18 seasonal AH1N1 viruses have been tested for the H275Y mutation (histidine-to-tyrosine mutation at the codon of 275 in N1 numbering) which is known to confer resistance to Oseltamivir. All 18 viruses had the H275Y mutation.

**Figure 2: Cumulative laboratory-confirmed isolates by health district to 14 June 2009**



Note: Viruses from Auckland without health district codes have been temporarily assigned to Central Auckland (CA).

Figure 3 shows the weekly national consultation rates for 2007 and 2008 seasons, and 2009 so far. The current rate of influenza is higher than at the same time last year.

<sup>1</sup> Data exclude Novel influenza A H1N1 09 viruses. Please refer to the Ministry of Health's website for further information: <http://www.moh.govt.nz/influenza-a-h1n1>

**Figure 3: Weekly consultation rates for influenza-like illness in New Zealand, 2007, 2008 and 2009**

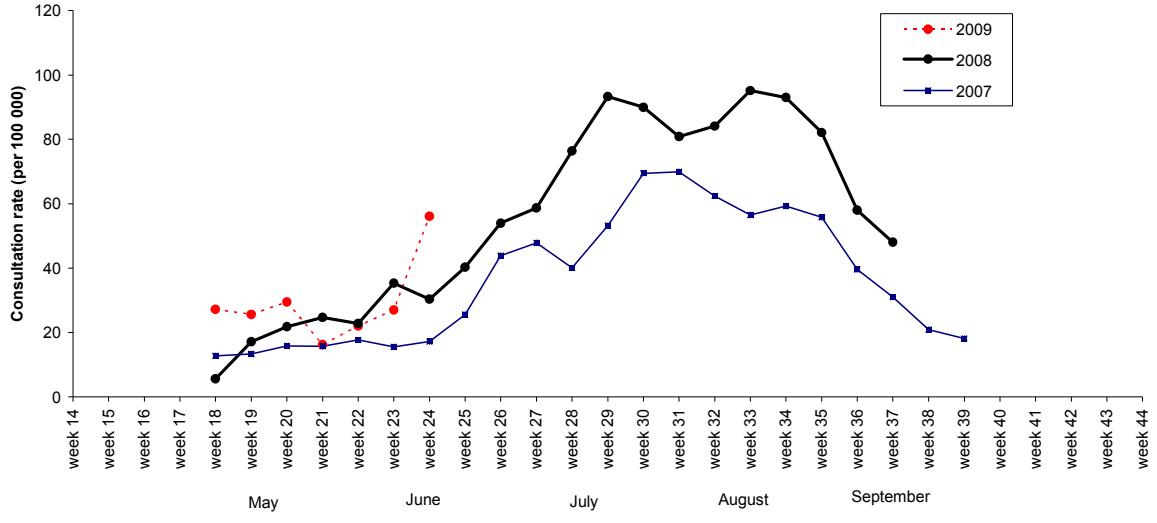
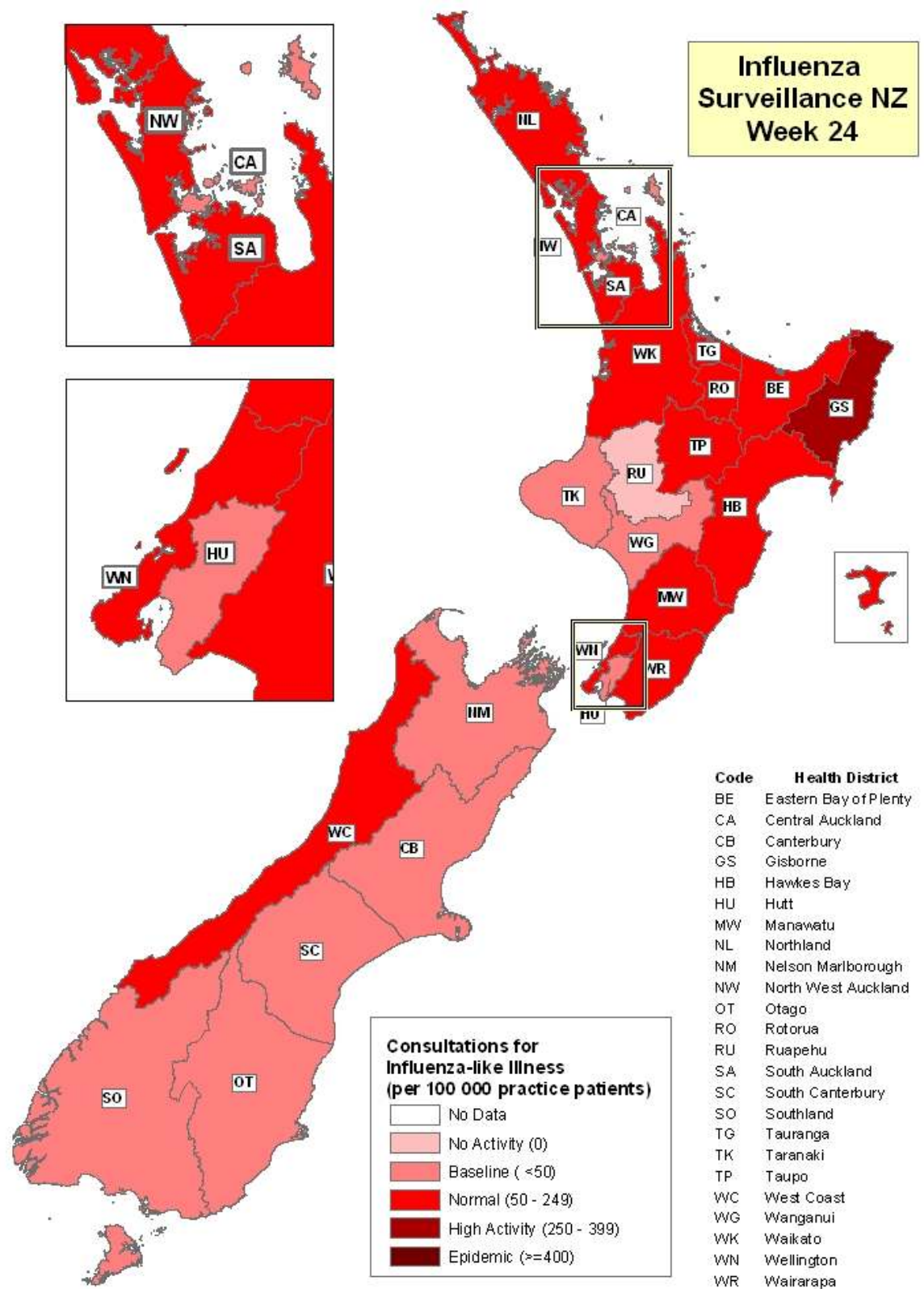


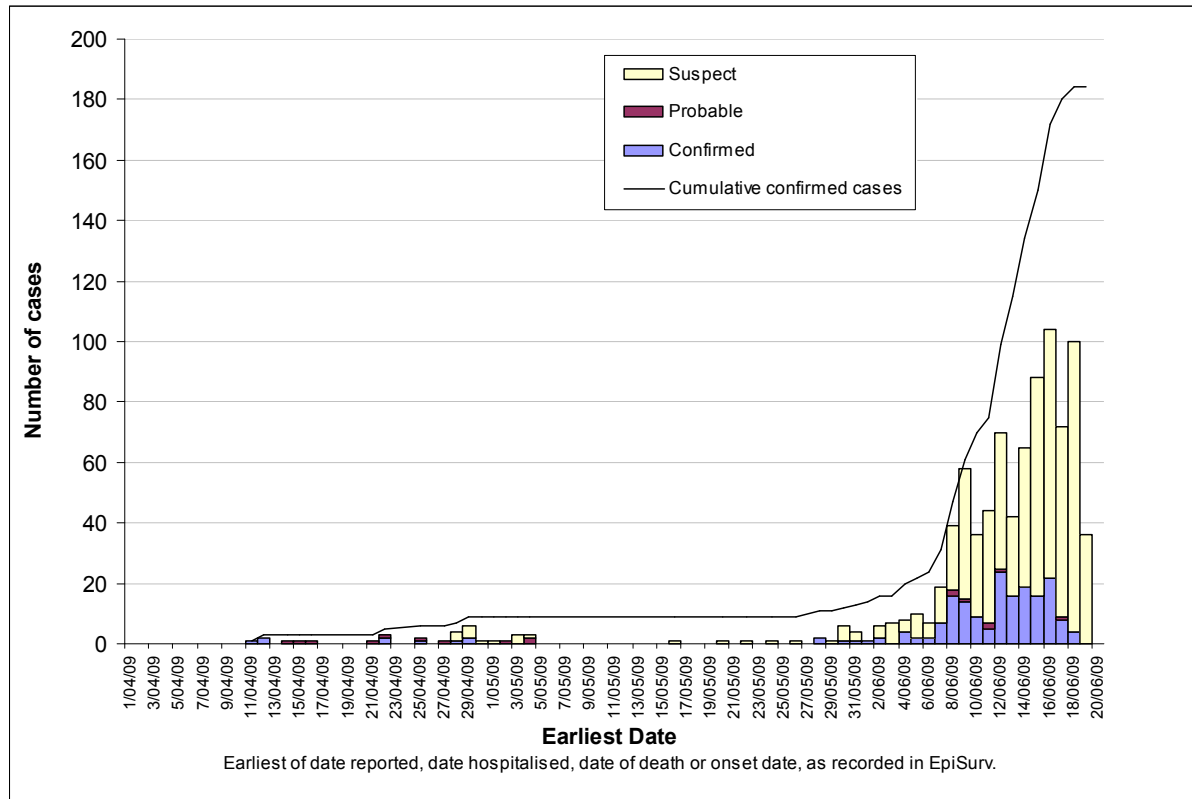
Figure 4 illustrates consultation rates for influenza-like illness mapped by health district for week 24, 2009.



## Novel influenza A H1N1 09 virus update in New Zealand

### Epidemic Curve (as at 12pm 19th June 2009)

Epidemic curve for novel influenza A H1N1 09 has been created using the earliest date recorded in EpiSurv (report, onset, or hospitalised date).



**Figure 5:** Novel influenza A H1N1 09 epidemic curve using earliest date entered in EpiSurv as at 12pm 19th June 2009. Confirmed n=184, Probable n=17, Suspect n=661.

Compiled by:

Liza Lopez

Population and Environmental Health

ESR Kenepuru Science Centre

PO Box 50 348, PORIRUA

Tel : 04 914 0647 Fax: 04 978 6690 Email:liza.lopez@esr.cri.nz

Dr. Sue Huang

WHO National Influenza Centre

ESR Wallaceville Science Centre

PO Box 40158, Upper Hutt